

TECHSPEC[®] 1310nm, 25.4mm Dia. x 6.35mm Thickness, Ultrafast Laser Mirror



Stock #28-996

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-

1

+

₹15,959

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Qty 1-5	₹15,959 each
Qty 6+	₹14,402 each
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General

Laser Mrror

Type:

Physical & Mechanical Properties

6.35 ±0.20

Thickness (mm):

25.40 +0.00/-0.10

Diameter (mm):

90

Clear Aperture (%):

Back Surface:	
Commercial Polish	
Parallelism (arcmin):	
<3	
Optical Properties	
Substrate:	
Fused Silica	
Surface Quality:	
10-5	
Angle of Incidence (°):	
45	
Coating:	
Ultrafast (1260 - 1360nm)	
Design Wavelength DWL (nm):	
1310	
Wavelength Range (nm):	
1260 - 1360	
Surface Flatness (P-V):	
λ/8	
Coating Specification:	
R (AVG) S & P > 99.90% @ 1310nm @ 45° AOI	
R (AVG) > 99.7% @ 1260 - 1360nm @ 45° AOI	
Coating Type:	
Dielectric	
GDD Specification:	
GDDs: ±20 fs ² @ 1260 - 1360nm @ 45° AOI	
GDDp: ±30 fs ² @ 1285 - 1335 nm @ 45° AOI	

Environmental & Durability Factors	
Durability:	
ML-PRF-13830B	

Regulatory Compliance	
Certificate of Conformance:	
View	
Country of Origin:	
United States	
Imported By:	
Edmund Optics India Private Limited	

Product Details

- GDD as Low as ±20fs² at Design Wavelength Range
 - Greater than 99.9% Reflectivity
 - Ideal for Ti:sapphire and Yb:doped Ultrafast Lasers
- TECHSPEC® Low GDD Dielectric Ultrafast Laser Mirrors feature a multilayer dielectric coating on fused silica substrates for excellent reflectivity of greater than 99.9%, and low coefficient of thermal expansion, making them ideal for ultrafast beam transport applications. These mirrors have a group delay dispersion (GDD) of near zero at their design wavelength range, minimizing dispersion of the reflected beam. TECHSPEC® Low GDD Dielectric Ultrafast Laser Mirrors are ideal for utilizing the first and second harmonic of Ti:sapphire and Yb:doped lasers for applications such as laser machining and welding.
- Note:** Please [contact us](#) if your application requires a TECHSPEC Low GDD Ultrafast Mirror with a custom wavelength, angle, or size.

Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).